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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/063,944	05/28/2002	Ming-Chih Chang	IEIP0001USA	2393
27765 7590 07/27/2007 NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION P.O. BOX 506 MERRIFIELD, VA 22116				
			EXAMINER MONTOYA, OSCHTA I	
			ART UNIT 2623	PAPER NUMBER
			NOTIFICATION DATE 07/27/2007	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/063,944	Applicant(s) CHANG, MING-CHIH	
	Examiner Oshta Montoya	Art Unit 2623	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 May 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☒ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-5, 7-11, and 13-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Dudgeon et al., US 5,790,792.

Regarding claim 1, Dudgeon discloses a broadcasting apparatus installed in a computer system, comprising:

a receiver (107, 104, and 102-figure 2) for receiving signals transmitted from a computer network (Col. 4, lines 55-56);

a control circuit (105) for generating a broadcasting audio signal according to the signals transmitted from the receiver (Col. 4, lines 66-67, Col. 5, lines 1-6); and

an audio data stream controller (114 and 120) electrically connected to the control circuit and an audio device (117) for generating a sound signal according to the broadcasting audio signal and an audio signal generated by the audio device , and then transmitting the sound signal to a speaker (Col. 5, lines 46-50, Col. 6, lines 2-6).

Regarding claim 2, Dudgeon discloses the broadcasting apparatus of claim 1 wherein the audio data stream controller is a mixer (114 and 120) for mixing the audio signal and the broadcasting audio signal to generate the sound signal (Col. 5, lines 46-50).

Regarding claim 3, Dudgeon discloses the broadcasting apparatus of claim 1, wherein the audio data stream controller is a multiplexer, which generates the sound signal only according to the broadcasting audio signal while receiving the broadcasting audio signal from the control circuit, and generates the sound signal only according to the audio signal when the control circuit stop generating the broadcasting audio Signal (when DMA controller moves the data the sound signal is generated only by that data, otherwise the sound signal is generated by the audio device 117, Col. 5, lines 46-50, Col. 6, lines 2-6)

Regarding claim 4, Dudgeon discloses the broadcasting apparatus of claim 1, wherein the audio data stream controller generates the sound signal only according to the broadcasting audio signal when there is no audio signal transmitted to the audio data stream controller (this is one of the responsibilities of DMA controller, to move data from high speed buffer 102 to video decoder 114 without using the CPU, Col. 4, lines 66-67, Col. 5, lines 1-6).

Regarding claim 5, Dudgeon discloses the broadcasting apparatus of claim 1, wherein the receiver is electrically connected to a network interface of a computer, and the receiver is capable of transmitting signals to the network interface and receiving signals transmitted from the network interface (ring topology, figure 3, Col. 6, lines 25-55).

Claims 11 and 14 are rejected on the same grounds as claim 5.

Regarding claim 7, Dudgeon discloses a broadcasting apparatus installed in a computer system, comprising:
a receiver (107, 104, and 102-figure 2) for receiving signals transmitted from a computer network (Col. 4, lines 55-56);
a control circuit (105) for generating a broadcasting video signal according to the signals transmitted from the receiver (Col. 4, lines 66-67, Col. 5, lines 1-6); and
a video data stream controller (113 and 114) electrically connected to the control circuit and a video device (108) for generating a graphic signal according to the broadcasting video signal and a video signal generated by the video device, and then transmitting the graphic signal to a monitor (Col. 5, lines 23-50).

Regarding claim 8, Dudgeon discloses the broadcasting apparatus of claim 7, wherein the video data stream controller is a mixer for mixing the video signal and the broadcasting video signal to generate the graphic signal (Col. 5, lines 50-53).

Regarding claim 9, Dudgeon discloses the broadcasting apparatus of claim 7, wherein the video data stream controller is a multiplexer, which generates the graphic signal only according to the broadcasting video signal while receiving the broadcasting video signal from the control circuit, and generates the graphic signal only according to the video signal when the control circuit stops generating the broadcasting video signal (when DMA controller moves the data the video signal is generated only by that data, otherwise the video signal is generated by the video device 108, Col. 5, lines 33-50).

Regarding claim 10, Dudgeon discloses the broadcasting apparatus of claim 7, wherein the video data stream controller generates the graphic signal only according to the broadcasting video signal when there is no video signal transmitted to the video data stream controller (this is one of the responsibilities of DMA controller, to move data from high speed buffer 102 to video decoder 114 without using the CPU, Col. 4, lines 66-67, Col. 5, lines 1-6).

Regarding claim 13, Dudgeon discloses the broadcasting apparatus installed in a computer system comprising:
a receiver (107, 104, and 102-figure 2) for receiving signals transmitted from a computer network (Col. 4, lines 55-56);

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a control circuit (105) for generating a broadcasting audio signal and a broadcasting video signal according to the signals transmitted from the receiver (Col. 4, lines 66-67, Col. 5, lines 1-6);

an audio data stream controller electrically connected to the control circuit and an audio device for generating a sound signal according to the broadcasting audio signal and an audio signal generated by the audio device, and transmitting the sound signal to a speaker (Col. 5, lines 46-50, Col. 6, lines 2-6); and

a video data stream controller electrically connected to the control circuit and a video device for generating a graphic signal according to the broadcasting video signal and a video signal generated by the video device, and then transmitting the graphic signal to a monitor (Col. 5, lines 23-50).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 6, 12, and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dudgeon et al., US 5,790,792 in view of Beller et al., US 5,802,449.

Regarding claim 6, Dudgeon discloses the broadcasting apparatus of claim 1.

Dudgeon fails to teach wherein the control circuit stores a first address for comparing with a destination address of the signal transmitted from the receiver, and generates the broadcasting audio signal corresponding to the signal transmitted from the receiver when the destination address is identical to the first address.

In an analogous art, Beller teaches the use of addresses to ensure the proper delivery of data (Col. 3, lines 25-40).

Therefore, it would have been obvious to one of ordinary skill in the art to modify Dudgeon's apparatus to include the comparing of the addresses to ensure proper delivery of data. The motivation would have been to have a more secure apparatus.

Claims 12 and 15 are rejected on the same grounds as claim 6.

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Oschta Montoya whose telephone number is (571) 270-1192. The examiner can normally be reached on Monday/Friday 7:30 to 5:00 off every other Friday.

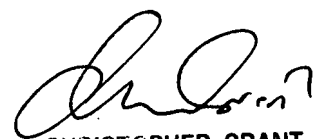
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Grant can be reached on (571) 272-7294. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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